

Title (en)

PROCESS FOR THE PREPARATION OF 4-METHYL-5-OXO-3-THIOXO-TETRAHYDRO-1,2,4-(2H,4H) TRIAZINES

Publication

EP 0073970 B1 19880302 (DE)

Application

EP 82107480 A 19820817

Priority

DE 3134230 A 19810829

Abstract (en)

[origin: US4436905A] 4-Methyl-5-oxo-3-thioxo-tetrahydro-1,2,4-(2H,4H)-triazines, which are intermediate products for known herbicides, can be prepared in high yields by a process in which an acyl cyanide of the general formula R-CO-CN (II) wherein R represents an optionally substituted aliphatic radical having up to 12 carbon atoms, an optionally substituted cycloalkyl radical having 3 to 10 carbon atoms, an optionally substituted phenyl or naphthyl radical or an optionally substituted heterocyclic radical, is reacted with a carboxylic acid anhydride of the general formula R1-CO-O-CO-R1 (II) in which R1 represents an optionally substituted aliphatic radical having up to 8 carbon atoms or an optionally substituted phenyl radical, in the presence of a strong acid and, if appropriate, in the presence of a solvent, at a temperature between -50 DEG and 150 DEG C., and the reaction mixture thus obtained is then reacted directly with 4-methyl-thiosemicarbazide (CH3-NH-CS-NH-NH2).

IPC 1-7

C07D 253/06; **C07D 405/04**

IPC 8 full level

C07D 253/06 (2006.01); **A01N 43/707** (2006.01); **C07D 253/075** (2006.01); **C07D 405/04** (2006.01)

CPC (source: EP US)

C07D 253/075 (2013.01 - EP US)

Citation (examination)

- DE 2708185 A1 19780831 - DEGUSSA
- DE 2908963 A1 19800918 - BAYER AG

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EP2542538A4; EP3020709A1; US8969554B2; US9573909B2; US10081608B2

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL

DOCDB simple family (publication)

EP 0073970 A1 19830316; **EP 0073970 B1 19880302**; AT E32716 T1 19880315; BR 8205041 A 19830809; CA 1214171 A 19861118; DE 3134230 A1 19830310; DE 3278162 D1 19880407; DK 157754 B 19900212; DK 157754 C 19900709; DK 385082 A 19830301; HU 186568 B 19850828; IL 66646 A0 19821231; JP H0416469 B2 19920324; JP S5846075 A 19830317; US 4436905 A 19840313; ZA 826278 B 19830727

DOCDB simple family (application)

EP 82107480 A 19820817; AT 82107480 T 19820817; BR 8205041 A 19820827; CA 410285 A 19820827; DE 3134230 A 19810829; DE 3278162 T 19820817; DK 385082 A 19820827; HU 276582 A 19820827; IL 6664682 A 19820826; JP 14628582 A 19820825; US 40667982 A 19820809; ZA 826278 A 19820827